

Creating A Cleaner Energy Future For the Commonwealth

## Community Clean Energy Resiliency Initiative

**Project Implementation Application** 

Amy McGuire May 28, 2014

# Community Clean Energy Resiliency Initiative

#### The highlights:

- \$40 million municipal grant program
- Energy resiliency at critical facilities using clean energy technology
- All Massachusetts municipalities are eligible
- Applications available for Technical Assistance or Project Implementation



## **Eligible Applicants**

#### All Massachusetts municipalities are eligible:

- Single municipality
- Joint applications by multiple municipalities
- Regional Planning Agencies
- Regional districts (water, school, sewerage, etc)
- Partnerships





## **Eligible Critical Facilities**

Critical facilities = "buildings or structures where loss of electrical service would result in disruption of a critical public safety life sustaining function"



#### Critical facilities may include:

- 1. Life safety resources
- 2. Lifeline resources
- 3. Community resources

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## **Eligible Clean Energy Technologies**



- · Clean energy generation
- Energy storage
- Energy management systems
- Technology used for DG operation in island mode
- Single building facilities or microgrids





## **Application Types**

## Technical Assistance (TA) Application

- Available at no cost to awarded applicants
- Expecting to offer between 40 and 80 awards
- Consulting team will provide these services
- Awarded applicants have the opportunity to use the resulting plan to apply for a follow-up round of project implementation funding.

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#### **Application Types**

#### **Project Implementation (PI) Applications**

- · Projects must meet the following criteria:
  - use eligible clean energy technologies;
  - > be sited at eligible critical facilities;
  - > demonstrate strategic electric isolation of critical loads from noncritical building loads to effectively extend resiliency capability;
  - > be able to operate in parallel with the grid during "blue sky" days and island and operate in isolation from the grid during a broader grid outage;
  - > meet utility interconnection strategy guidelines; and
  - > follow the Initiative funding guidelines.
- · Projects may be retrofit or new install

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## **Funding Guidelines**

#### The highlights:

- Fully utilize and account for other available resources
- Minimum 10% cost share
- Up to \$20 million in the first round
- Remaining \$20 million available in the second round to:
  - > Follow-on round TA applicants (moving to PI Applications)
  - > Un-funded first round PI Application projects

## **Funding Guidelines**

- Initiative funding will cover the following costs:
  - > system design and engineering costs;
  - > clean energy generation (electric and thermal) and storage costs that are not covered by other incentives;
  - > clean energy equipment that provides for resiliency;
  - > interconnection costs related to resiliency equipment;
  - > installation costs;
  - > administrative costs (not to exceed 10% of total costs); and
  - > other costs as deemed appropriate by DOER.



## **Funding Guidelines**

- Initiative funding will NOT cover the following costs:
  - the portion of the cost of clean energy equipment that is already financially incentivized by other state, federal, utility, non-profit or private programs;
  - > project costs at non-critical facilities;
  - > conventional energy generation, such as diesel generators;
  - > non-energy related infrastructure and capital costs; and
  - > other costs deemed inappropriate by DOER.

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## **Funding Guidelines**

- **MAXIMUM** grant funding calculated based on a relative per capita income and population multiplier
- Subject to an overall upper limit of \$5 million.
- The MAXIMUM grant award calculation is:
  - > \$125,000, plus
  - > A municipality specific adder, plus
  - > 10% for interconnection costs, plus
  - > 10% for administrative costs.



#### **Funding Guidelines**

An example, given MA state median per capita income of \$29,927

- Municipality inputs:
  - > Median per capita income = \$25,000
  - ➤ Population =100,000
- Award:
  - > \$1,586,496

Calculated as follows:

\$125,000+ Base →

(\$10\*100,000\*\$29,927/\$25,000))+ Adder →

Interconnection  $\rightarrow$  (10%\*(\$125,000+(\$10\*100,000\*\$29,927/\$25,000))) +  $Administrative \ \, \boldsymbol{\rightarrow} \ \, \underline{(10\%^*(\$125,000+(\$10^*100,000^*\$29,927/\$25,000\,)))}$ 

\$1,586,496



## **Sample Projects**

- 1. Single facility, electrical: A municipal fire house
- 2. Single facility, thermal: School serving as community shelter during an emergency
- 3. Multiple facilities: Waste water treatment plant (WWTP) and a municipal police station
- 4. Microgrid: Health services and shelter microgrid project

## The Application

- General Applicant Information
- · Municipality Information
- General Project Information
- · Critical Facility Building Information
- · Critical Facility Energy Information
- · Further Documentation and Background Information
- Specific Project Information
- Budget Form



## **Program Timeline - PI Application**

DOER issues PON	May 15, 2014
Deadline for submitting PI	July 7,2014
Application questions	
FINAL ROUND 1 PI APPLICATION	July 15, 2014
DEADLINE	
Round 1 PI Application awards	August 15, 2014
announced (subject to change)	
FINAL ROUND 2 PI APPLICATION	October 15, 2014
DEADLINE	
Final Round 2 PI A awards	November 15,
announced (subject to change)	2014



## **Evaluation Criteria**



#### The highlights:

- · Geographic diversity
- · Proposal content
- Proposal finances
- Proposal technical details

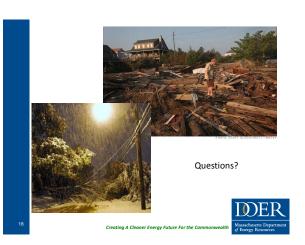




#### **Submission**

- Incomplete applications will not be accepted.
- Submit via email to Amy McGuire at Amy.McGuire@state.ma.us.
- Round 1 PI Applications due 5:00 p.m. on July 15, 2014
- This application information is available at: www.commBuys.com as PON-ENE-2014-036.





## Thank you

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http://www.mass.gov/eea/energy-utilities-clean-tech/renewable-energy/resiliency-initiative.html

